

Danner, Ward

From: Carmen Santos <Santos.Carmen@epamail.epa.gov>
Sent: Wednesday, March 27, 2013 1:17 PM
To: Santos, Carmen
Subject: Fw: Aspire Oakland - Cap

Carmen D. Santos
PCB Coordinator
RCRA Corrective Action Office (WST-5)
Waste Management Division
USEPA Region 9
415.972.3360
santos.carmen@epa.gov

"Think left and think right and think low and think high. Oh, the things you can think up if only you try!" Dr. Seuss

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Before printing this e-mail think if it is necessary. Think Green!

----- Forwarded by Carmen Santos/R9/USEPA/US on 03/27/2013 01:17 PM -----

From: Carmen Santos/R9/USEPA/US
To: "Goloubow, Ron" ,
Cc: Patrick Wilson/R9/USEPA/US@EPA
Date: 01/24/2011 03:08 PM
Subject: Re: Aspire Oakland - Cap

Hello Ron:

I do not have an answer for you right now. Lets talk on January 25, 2011 at 3:30 PM if you are available. If not available at that time, please propose a time for us to talk before 5:00 PM on that same day.

Aspire should propose how the cap will be constructed for the Aspire site in Oakland and not what has been done in the past at other school sites where a cap was not required. Please provide a drawing to scale depicting the components of the cap and how that cap will meet the requirements in the TSCA regulations. If you need to be creative then be so, and propose something I can seriously recommend for approval. The e-mail messages I have received seemed to focus on requests to USEPA to relax the regulatory requirements for the cap, rather than proposing how that cap will look like and how its components will meet the requirements established in the approval.

We will consider Aspire's proposal and whether that proposal can be approved under the risk-based cleanup option in the TSCA PCB regulations at 40 CFR 76.61(c).

In addition, any other changes to USEPA's November 13, 2009 approval of Aspire's PCB Notification that Aspire may propose and that deviate from the requirements in USEPA's approval must be submitted in writing and in a timely manner so we can respond in a timely manner.

Thanking you for your courtesies and looking forward to your reply.

Regards,
Carmen

Carmen D. Santos
PCB Coordinator

RCRA Corrective Action Office
Waste Management Division
USEPA Region 9
voice: 415.972.3360
facsimile: 415.947.3533
"Earth laughs in flowers." R. W. Emerson

▼ "Goloubow, Ron" ---01/21/2011 04:06:27 PM---Carmen how would EPA interpret #5 highlighted below? Also is there any leeway in the permeability s

From: "Goloubow, Ron"
To: Carmen Santos/R9/USEPA/US@EPA
Date: 01/21/2011 04:06 PM
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Carmen how would EPA interpret #5 highlighted below? Also is there any leeway in the permeability specification provided in § 761.75 (below) of less than 1×10^{-7} cm/sec given that there will be some asphalt or concrete over the cement treated soil?

Thanks Ron.

264.310 Closure and post-closure care.

(a) At final closure of the landfill or upon closure of any cell, the owner or operator must cover the landfill or cell with a final cover designed and constructed to:

- (1) Provide long-term minimization of migration of liquids through the closed landfill;
- (2) Function with minimum maintenance;
- (3) Promote drainage and minimize erosion or abrasion of the cover;
- (4) Accommodate settling and subsidence so that the cover's integrity is maintained; and

(5) Have a permeability less than or equal to the permeability of any bottom liner system or natural subsoils present.

§ 761.75 Chemical Waste Landfills

- 1) Soils. The landfill site shall be located in thick, relatively impermeable

formations such as large-area clay pans. Where this is not possible, the soil shall have a high clay and silt content with the following parameters:

(i) In-place soil thickness, 4 feet or compacted soil liner thickness, 3 feet; **I think this is for the bottom, of a land fill**

(ii) Permeability (cm/sec), equal to or less than 1×10^{-7} any leeway here?

(iii) Percent soil passing No. 200 Sieve, >30;

(iv) Liquid Limit, >30; **any leeway here?**

(v) Plasticity Index >15

Ron Goloubow, PG | Principal Geologist | ron.goloubow@arcadis-us.com

ARCADIS U.S., Inc. | 1900 Powell Street, Suite 1200 | Emeryville, CA 94608

T. 510.596.9550 | M. 510.501-1789 | F. 510.652.2246

www.arcadis-us.com

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